HAP7 Rec'd PCT/PTO 01 FEB 2006

O | P & DR:dm 01/26/06 6682-66959-02 451394 CGL02/0396W001 A:

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Rogers et al.

Application No. 10/533,477

Filed: April 29, 2005 Confirmation No. 4053

For: MULTIPLE COMPONENT FOOD

PRODUCT USEFUL FOR DELIVERING GLUCOSAMINE AND/OR N-ACETYL-D-

GLUCOSAMINE

Examiner: Not yet assigned

Art Unit: 1617

Attorney Reference No. 6682-66959-02

CERTIFICATE OF MAILING

I hereby certify that this paper and the documents referred to as being attached or enclosed herewith are being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: COMMISSIONER FOR PATENTS, P.O. BOX 1450, ALEXANDRIA, VA 22313-1450 on the date shown below.

Attorney or Agent for Applicant(s)

Date Mailed January 27

INFORMATION DISCLOSURE STATEMENT PURSUANT TO 37 C.F.R. § 1.97(b)(3)

COMMISSIONER FOR PATENTS P.O. BOX 1450 ALEXANDRIA, VA 22313-1450

Listed on the accompanying form PTO-1449 and enclosed herewith are several English-language and/or non-English-language documents. Applicants respectfully request that these documents be listed as references cited on the issued patent.

Copies of United States patents and United States published patent applications do not have to be provided to the Patent Office (37 C.F.R. 1.98(a)(2)(ii)). Copies of unpublished U.S. applications do not have to be provided, as long as the application is available on PAIR, as this requirement of 37 C.F.R. § 1.98(a)(2)(iii) has been waived by the United States Patent and Trademark Office pursuant to the Official Gazette Notice on October 19, 2004 (1287 OG 163). Applicants will provide copies of such patents or applications upon request.

Applicants filed this Information Disclosure Statement ("IDS") before the mailing date of a first Office action on the merits. As a result, no fee should be required to file this IDS. However, if the Patent Office determines that a fee is required for Applicants to file this IDS, please charge any such fees, or credit overpayment, to Deposit Account No. 02-4550. A duplicate copy of this Information Disclosure Statement is enclosed.

The filing of this IDS shall not be construed to be an admission that the information cited in the statement is, or is considered to be, prior art or otherwise material to patentability as defined in 37 C.F.R. §1.56.

Respectfully submitted,

KLARQUIST SPARKMAN, LLP

Sheree Lynn(R

Registration No. 47,913

One World Trade Center, Suite 1600 121 S.W. Salmon Street Portland, Oregon 97204 Telephone: (503) 226-7391

Facsimile: (503) 228-9446

cc: Docketing

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Attorney Docket Number	6682-66959-02
Application Number	10/533,477
Filing Date	April 29, 2005
First Named Inventor	Rogers
Art Unit	1617
Examiner Name	Not yet assigned

U.S. PATENT DOCUMENTS

Copies of U.S. Patent documents do not need to be provided, unless requested by the Patent and Trademark Office. For patents, provide the patent number and the issue date. For published U.S. applications, provide the publication number and the publication date. For unpublished pending patent applications, provide the application number and the filing date.

Examiner's Initials*	Cite No. (optional)	Number	Publication Date	Name of Applicant or Patentee
		2,040,879	05/19/1936	Rigby
		3,232,836	02/01/1966	Carlozzi et al.
,, <u>, , , , , , , , , , , , , , , , , , </u>		3,632,754	01/04/1972	Balassa
		3,683,076	8/1972	Rovati
		3,903,268	09/02/1975	Balassa
		3,911,116	10/07/1975	Balassa
		3,914,413	10/21/1975	Balassa
		4,056,432	11/01/1977	Slagel et al.
		4,282,351	08/04/1981	Muzzarelli
		4,642,340	02/10/1987	Senin et al.
		4,806,474	02/21/1989	Hershberger
		4,886,541	12/12/1989	Hadwiger
		4,948,881	08/14/1990	Naggi et al.
		4,970,150	11/13/1990	Yaku et al.
		4,983,304	01/08/1991	Tsugita et al.
		5,219,749	06/15/1993	Bouriotis et al.
		5,232,842	08/03/1993	Park et al.

EXAMINER SIGNATURE: DATE CONSIDERED:

^{*} Examiner: Initial if reference considered, whether or not in conformance with MPEP 609. Draw line through cite if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Attorney Docket Number	6682-66959-02
Application Number	10/533,477
Filing Date	April 29, 2005
First Named Inventor	Rogers
Art Unit	1617
Examiner Name	Not yet assigned

		Examiner	Name	Not yet assigned
5,262,310	11/16/1993		Karube et al.	
5,520,933	05/28/1996		Yoshida et al.	
5,702,939	12/30/1997		Fujishima et al.	
5,730,876	03/24/1998		You et al.	
5,843,923	12/01/1998		Schleck et al.	
5,859,263	01/12/1999		Ghorpade et al.	
5,902,801	05/11/1999		Schleck et al.	
5,905,035	05/18/1999		Okada et al.	
5,985,644	11/16/1999	,	Roseman et al.	
5,998,173	12/07/1999		Haynes et al.	
6,117,851	09/12/2000		Sherman et al.	•
6,248,570	06/19/2001		Michon et al.	
6,333,399	12/25/2001		Teslenko et al.	

FOREIGN PATENT DOCUMENTS

Examiner's Initials*	Cite No. (optional)	Country	Number	Publication Date	Name of Applicant or Patentee
	-	EP	0 566 349	10/1993	Mitsubishi Petrochemical Co.
		EP	0 768 320	4/1997	Nippon Oil Co. Ltd.
		EP	0 885 954 A1	12/23/1998	Nestle SA
		EP	0 997 480	5/2000	Maruzen Petrochem Co. Ltd.
		Great Britain	458,839	12/21/1936	Du Pont

EXAMINER SIGNATURE:

DATE CONSIDERED:

^{*} Examiner: Initial if reference considered, whether or not in conformance with MPEP 609. Draw line through cite if not in conformance and not considered. Include copy of this form with next communication to applicant.

SLR:dm 01/26/06 6682-66959-02 451396 CGL02/0396WO01 A55-522.2

3ER.diii 01/20/00	6682-66959-02 451396 CC	JE02/0390 W O 01 A 33-322.2	Attorney Docket Nur	mber	6682-66959-02
			Application Number		10/533,477
INFORMA	TION DISCLOSUR	E STATEMENT	Filing Date		April 29, 2005
INFORMA	BY APPLICAN'		First Named Invento	r	Rogers
	DI MILICINI	•	Art Unit	1	1617
		1505.505	Examiner Name		Not yet assigned
	Great Britain	785,525	10/30/1957	Ameri	can Home Prod
	Great Britain	833,264	04/21/1960	Ciba I	td.
	Great Britain	896,940	05/23/1962	Pfizer	& Co C
	Japan	53-020443 AWe	02/24/1978	Asama	a Kasei KK
		do not have an			
		English abstract for this			
	Japan	55012109	01/28/1980	Kogyo	Gijutsuin
		(Abstract)			
ł	Japan	62070401 A2	03/31/1987	Fuji S	pinning Co. Ltd.
		(Abstract)			
	Japan	63097633 A2	04/28/1988	Fuji S	pinning Co. Ltd.
		(Abstract)			
	Japan	63225602 A2	09/20/1988	Nitta (Gelatin KK
		(Abstract)	0.5/0.7/1.000		
	Japan	2149335 A2	06/07/1990	Nippo	n Oils & Fats Co. Ltd.
	·	(Abstract)	07/10/1000		011 0 7 0 7 1
	Japan	2180903 A2	07/13/1990	Nippo	n Oils & Fats Co. Ltd.
		(Abstract)	00/00/4000	~ ***	
	Japan	2200196 A2	08/08/1990	Nippo	n Kayaku KK
	T	(Abstract)	00/12/1000	F C	· · · · · · · · · · · · · · · · · · ·
	Japan	2229832 A2	09/12/1990	Fuji S	pinning Co. Ltd.
	T	(Abstract)	10/10/1000	TD :	V 1 V 0 T-1
	Japan	2258740 A2	10/19/1990	1 aiyo	Kagaku Kogyo Co. Ltd.
	Taman	(Abstract)	10/22/1002	D: A	
	Japan .	5068580 A2 (Abstract)	10/23/1993	rias A	rise KK
	Ionen	7330808 A2	12/19/1995	Doini	chiseika Color Chem.
	Japan	(Abstract)	12/19/1993	Dainic	miseika Color Chem.
	Ionon	8-41106 A	02/13/1996		
	Japan	(Translation)	02/13/1990		
	Ianan	10297913 A2	11/19/1998	V ovvol	ken Fine Chemicals Co.
	Japan	(Abstract)	11/17/1776	Nawai	ch rine Chemicals Co.
	<u> </u>	(Austract)			

EXAMINER	DATE
SIGNATURE:	CONSIDERED:

^{*} Examiner: Initial if reference considered, whether or not in conformance with MPEP 609. Draw line through cite if not in conformance and not considered. Include copy of this form with next communication to applicant.

SLR:dm 01/26/06 6682-66959-02 451396 CGL02/0396WO01 A55-522.2 6682-66959-02 Attorney Docket Number 10/533,477 **Application Number** Filing Date April 29, 2005 INFORMATION DISCLOSURE STATEMENT First Named Inventor Rogers BY APPLICANT 1617 Art Unit Not yet assigned Examiner Name Suntory Ltd. 2001-000158 A 01/09/2001 Japan **WIPO** 7/1998 **Bio-Technical Resources** WO 98/30713 WO 98/42755 10/01/1998 University of Strathclyde WIPO Exxon Chemical Patents Inc. WIPO WO 99/41294 8/1999 WIPO WO 00/04182 01/27/2000 DCV, Inc. d/b/a Bio-Technical Resources Examiner's Cite No. OTHER DOCUMENTS (optional) Initials* Aldrich, Catalog Hand book of Fine Chemicals, p. 756 (1996). Alonso et al., "Determination of the Degree of Acetylation of Chitin and Chitosan by Thermal Analysis," J. Thermal Analysis 28:189-193 (1983). Arcidiacono et al., "Molecular Weight Distribution of Chitosan Isolated from Mucor rouxii under Different Culture and Processing Conditions," Biotechnol. Bioeng. 39:281-286 (1992). Atrih et al., "Analysis of Peptidoglycan Structure from Vegetative Cells of Bacillus subtilis 168 and Role of PBP 5 in Peptidoglycan Maturation," J. Bacteriol. 181:3956-3966 (1999).Bartnicki-Garcia, "Cell Wall Chemistry, Morphogenesis, and Taxonomy of Fungi," Chem. Fungal Cell Wall, pp. 87-108 (1968). Benjakul et al., "Improvement of Deacetylation of Chitin from Black Tiger Shrimp (Penaeus monodon) Carapace and Shell," ASEAN Food J. 9:136-140 (1994). Beri et al., "Characterization of Chitosans via Coupled Size-Exclusion Chromatography and Multiple-angle Laser Light-Scattering Technique," Carbohydr. Res. 238:11-26 Biermann, "Hydrolysis and Other Cleavage of Glycosidic Linkages," Chapter 3, pp. 29-41 (Date Unknown).

novel food ingredients," February 5, 2004.

Hydrochloride," April 6, 2004.

Cargill Acidulants, "Proposal for making a "Substantial Equivalence" notification for Non-Shellfish Glucosamine Hydrochloride under Regulation (EC) No 258/97 for the European Parliament and the Council of 27 January 1997 concerning novel foods and

Cargill, Incorporated, "GRAS NOTIFICATION for REGENASURE™ Glucosamine

^{*} Examiner: Initial if reference considered, whether or not in conformance with MPEP 609. Draw line through cite if not in conformance and not considered. Include copy of this form with next communication to applicant.

SLR:dm 01/26/06 6682-66959-02 451396 CGL02/0396WO01 A55-522	SLR:dm	01/26/06	6682-66959-02	451396	CGL02/0396WO01	A55-522
	SLK.um	01/20/00	0002-00737-02	431330	COLUZIOSSONOUI	MJJ-J22

6682-66959-02 Attorney Docket Number 10/533,477 **Application Number** April 29, 2005 Filing Date INFORMATION DISCLOSURE STATEMENT BY APPLICANT First Named Inventor Rogers 1617 Art Unit Examiner Name Not yet assigned Carlson et al., "Chitin/Chitosan Extraction from A. Niger Mycelium," Cargill Central Research, 16 pages (August 1997). "Chitin/Chitosan Specifications," Biopolymer Engineering Inc., http://www.biopolymer.com/spec.htm, 1 page (Date Printed March 4, 1999). Copy of glucosamine product label from Twinlab Flexi-licious (with shellfish allergy warning). Copy of glucosamine product label from HyVee HealthMarket (with shellfish allergy warning). Copy of glucosamine product label from Osteo Bi-flex (2 pages) (with shellfish allergy warning). Database Caplus on STN: Accession No. 1976-519336 (1976). Database Caplus on STN: Accession No. 1999:816485 (1999). Davies et al., "Determination of the Degree of Acetylation of Chitin and Chitosan," Methods in Enzymology 161:442-446 (1988). Deal et al., "Nutraceuticals as Therapeutic Agents in Osteoarthritis. The Role of Glucosamine, Chondroitin Sulfate, and Collagen Hydrolysate," Rheum. Dis. Clin. North Am. 25:379-395 (1999). Department of Health and Human Services, FDA Increases Sampling of Imported Shrimp and Crayfish, FDA News (2002) (available at www.fda.gov.bbs.topics/NEWS/2002/NEW00815.html, last visited October 18, 2002). Domanski et al., "Use of a Chitinase Complex and β -(1,3)-Glucanase for Spheroplast Production from Candida albicans," J. Bacteriol. 96:270-271 (1968). Domszy et al., "Evaluation of Infrared Spectroscopic Techniques for Analysing Chitosan," Makromal. Chem. 186:1671-1677 (1985). Eichner, "Antioxidative Effect of Maillard Reaction Intermediates," Prog. Fd. Nutr. Sci. *5*:441-451 (1981). Farkas, "Fungal Cell Walls: Their Structure, Biosynthesis and Biotechnological Aspects," Acta Biotechnol. 10:225-238 (1990). Federal Trade Commission, Shark Cartilage Receives 10M Draft Monograph, FTC Notice (2002) (available at www.ftc.gov/opa/2002/09/fdacomments.htm, as of September 2002). Ferrer, "Acid Hydrolysis of Shrimp-Shell Wastes and the Production of Single Cell Protein from the Hydrolysate," *Bioresource Technol.* 57:55-60 (1996). Fleet et al., "17 Fungal Glucans - Structure and Metabolism," Encyclopedia of Plant Physiol. 13B:416-440 (1981).

EXAMINER SIGNATURE:	DATE CONSIDERED:	

^{*} Examiner: Initial if reference considered, whether or not in conformance with MPEP 609. Draw line through cite if not in conformance and not considered. Include copy of this form with next communication to applicant.

Of D 1	0110/10/	((03 ((050 03	451306	001.02/020/11/001	
SI R:am	01/26/06	hhX/-hhYYY41/	431396	CGI 02/0396WO01	A55-522.2

6682-66959-02 Attorney Docket Number Application Number 10/533,477 Filing Date April 29, 2005 INFORMATION DISCLOSURE STATEMENT BY APPLICANT First Named Inventor Rogers Art Unit 1617 Not yet assigned **Examiner Name** "The Fungal Cell," Chapter 2, pp. 23-39 (Date Unknown). Gassner et al., "Teichuronic Acid Reducing Terminal N-Acetylglucosamine Residue Linked by Phosphodiester to Peptidoglycan of Micrococcus luteus," J. Bacteriol. 172:2273-2279 (1990). Ghorpade et al., "Industrial Applications for Levulinic Acid," Industrial Agricultural Product Center, University of Nebraska (visited Oct. 8, 2003) http://agproducts.unl.edu/levu.htm 8 pp. "Glucosamine Hydrochloride," Pharmacopeial Forum 26:1449-1450 (2000). Gobin et al., "Structural Chemistry of Fungal Polysaccharides," pp. 367-417 (1968). Gomyo et al., "On the Interaction of Melanoidin with Metallic Ions," Agr. Biol. Chem. 40:33-40 (1976). Hayase et al., "Scavenging of Active Oxygens by Melanoidins," Agric. Biol. Chem. *53*:3383-3385 (1989). Huang et al., "Development and Validation of Oxygen Radical Absorbance Capacity Assay for Lipophilic Antioxidants Using Randomly Methylated β -Cyclodextrin as the Solubility Enhancer," J. Agric. Food Chem., 7 pp. (2002). Huang et al., "High-Throughput Assay of Oxygen Radical Absorbance Capacity (ORAC) Using a Multichannel Liquid Handling System Coupled with a Microplate Fluorescence Reader in 96-Well Format," J. Agric. Food Chem. 50:4437-4444 (2002). Jacobson, "Berichte der Deutschen Chemischen Gesellschaft," pp. 2192-2200 (1898) (German). Jeremy Appleton, Inadequate Screening of Imported Food and Dietary Supplements, 2 Integrative Medicine, 58-65 (available at www.ifr.bbsrc.ac.uk/protall/infosheet.htm. Feb./Mar. 2003). Johnston et al., "The Composition of the Cell Wall of Aspergillus niger," Biochem. J. 96:651-658 (1965). Kimura et al., "Determination of the Mode of Hydrolysis of Chitooligosaccharides by Chitosanase Derived from Aspergillus Oryzae by Thin Layer Chromatography," Chemistry Letters, pp. 223-226 (1992). Kostina et al., "Chitin of mycelial fungi of the Penicillium genus," Prikl. Biokhim. Mikrobiol. Abstract (1978), 14(4), 586-593. Kurita, "Controlled Functionalization of the Polysaccharide Chitin," Prog. Polym. Sci. 26:1921-1971 (2001).

EXAMINER SIGNATURE:	DATE CONSIDERED:	
------------------------	---------------------	--

^{*} Examiner: Initial if reference considered, whether or not in conformance with MPEP 609. Draw line through cite if not in conformance and not considered. Include copy of this form with next communication to applicant.

SLR:dm 01/26/06 6682-66959-02 451396 CGL02/0396WO01 A55-522.2 Attorney Docket Number 6682-66959-02 10/533,477 **Application Number** April 29, 2005 Filing Date INFORMATION DISCLOSURE STATEMENT **BY APPLICANT** First Named Inventor Rogers 1617 Art Unit Not yet assigned Examiner Name Kurita et al., "Studies on Chitin, 3, Preparation of Pure Chitin, Poly(N-acetyl-Dglucosamine), from the Water-Soluble Chitin," Makromal. Chem. 178:2595-2602 (1977). Kurita et al., "Studies on Chitin, 4, Evidence for Formation of Block and Random Copolymers of N-Acetyl-D-Glucosamine and D-Glucosamine by Hetero- and Homogeneous Hydrolyses," Makromol. Chem. 178:3197-3202 (1977). Maghami et al., "Evaluation of the Viscometric Constants for Chitosan," Makromol. Chem. 189:195-200 (1988). Maitre et al., "Primary T-Cell and Activated Macrophage Response Associated with Tumor Protection Using Peptide-Poly-N-Acetyl Glucosamine Vaccination," Clin. Cancer Res. 5:1173-1182 (1999). Mima et al., "Highly Deacetylated Chitosan and Its Properties," J. Appl. Polymer Sci. 28:1909-1917 (1983). Muzzarelli et al., "Chelating, Film-Forming, and Coagulating Ability of the Chitosan-Glucan Complex from Aspergillus niger Industrial Wastes," Biotechol. Bioeng. XXII:885-896 (1980). Nanjo et al., "Purification, Properties, and Transglycosylation Reaction of β -N-Acetylhexosaminidase from Nocardia orientalis," Agricult. Biol. Chem. 54:899-906 (1990).Nanjo et al., "Purification and Characterization of an Exo- β -D-Glucosaminidase, a Novel Type of Enzyme, from Nocardia orientalis," J. Biol. Chem. 265:10088-10094 (1990). Nanjo et al., "Enzymatic Method for Determination of the Degree of Deacetylation of Chitosan," Anal. Biochem. 193:164-167 (1991). Nguyen et al., "Composition of the Cell Walls of Several Yeast Species," Abstract

	Nikolaeva et al., CAPLUS Abstract, AN 1968:62461 (1968).
	Nikolaeva et al., "Preparation of glucosamine from shrimp shells, and its use in medicine," Tr. Vses. Nauchno Issled. Inst. Morsk. Rybn. Khoz Okeanogr., pp. 165-169 (1967)

Nilsson et al., "Chitin as an indicator of the biomass of two wood-decay fungi in relation to temperature, incubation time, and media composition," Abstract, Canadian Journal of Microbiology, (1998), Vol. 44, No. 6, 575-581.

Niola et al., "A Rapid Method for the Determination of the Degree of N-Acetylation of Chitin-Chitosan Samples by Acid Hydrolysis and HPLC," Carbohydr. Res. 238:1-9 (1993).

No et al., "Preparation and Characterization of Chitin and Chitosan - A Review," J. Aquat. Food Prod. Technol. 4:27-51 (1995).

EXAMINER DATE CONSIDERED:

50:206-212 (1998).

(Abstract).

^{*} Examiner: Initial if reference considered, whether or not in conformance with MPEP 609. Draw line through cite if not in conformance and not considered. Include copy of this form with next communication to applicant.

SLR:dm 01/26/06 6682-66959-02 451396 CGL02/0396WO01 A55-522.2 6682-66959-02 Attorney Docket Number 10/533,477 Application Number Filing Date April 29, 2005 INFORMATION DISCLOSURE STATEMENT **BY APPLICANT** First Named Inventor Rogers Art Unit 1617 **Examiner Name** Not yet assigned Nogawa et al., "Purification and Characterization of Exo-β-D-Glucosaminidase from a Cellulolytic Fungas Trichoderma reesei PC-3-7," Appl. Environ. Microbiol. 64:890-895 (1998).Novikov et al., "Synthesis of D(+)-Glucosamine Hydrochloride," Russian J. Appl. Chem. *70*:1467-1470 (1997). Novikov, "Kinetics of formation of D-(+)- glucosamine in acid hydrolysis of chitin," Russian Journal Abstract (Sankt-Peterburg) (1999), 72(1), 147-152. Ottoy et al., "Preparative and Analytical Size-Exclusion Chromatography of Chitosans," Carbohydr. Polymers 31:253-261 (1996). Ou et al., "Analysis of Antioxidant Activities of Common Vegetables Employing Oxygen Radical Absorbance Capacity (ORAC) and Ferric Reducing Antioxidant Power (FRAP) Assays: A Comparative Study," J. Agric. Food Chem., 7 pp. (2002). Pelletier et al., "Chitin/Chitosan Transformation by Thermo-Mechano-Chemical Treatment Including Characterization by Enzymatic Depolymerization," Biotechnol. Bioeng. 36:310-315 (1990). Plassard et al., "Estimation of mycelial growth of basidiomycetes by means of chitin determination," Abstract, Phytochemistry (Oxford) (1982), Vol. 21, No. 2, 345-349. Rege et al., "Chitosan Processing: Influence of Process Parameters During Acidic and Alkaline Hydrolysis and Effect of the Processing Sequence on the Resultant Chitosan's Properties," Carbohydr. Res. 321:235-245 (1999). Roberts et al., "Determination of the Viscomtric Constants for Chitosan," Int. J. Biol. 4:374-377 (1982). Rokem et al., "Degradation of Fungal Cell Walls Taking into Consideration the Polysaccharide Composition," Enzyme Microb. Technol. 8:588-592 (1986). Ruiz-Herrera, "Chemical Components of the Cell Wall of Aspergillus Species," Arch. Biochem. Biophys. 122:118-125 (1967). Sabnis et al., "Improved Infrared Spectroscopic Method for the Analysis of Degree of N-Deacetylation of Chitosan," Polymer Bulletin 39:67-71 (1997). Sakai et al., "Purification and Hydrolytic Action of a Chitosanase from Nocardia

EXAMINER DATE CONSIDERED:

orientalis," Biochimica et Biophysica Acta 1079:65-72 (1991).

Chem. 177:3589-3600 (1976).

Chem. 46:1129-1131 (1998).

10:37-51 (1999).

Sannan et al., "Studies on Chitin, 2, Effect of Deacetylation on Solubility," Makromol.

Shahidi et al., "Food Applications of Chitin and Chitosans," Trends Food Sci. Technol.

Shu, "Degradation Products Formed from Glucosamine in Water," J. Agricult. Food

^{*} Examiner: Initial if reference considered, whether or not in conformance with MPEP 609. Draw line through cite if not in conformance and not considered. Include copy of this form with next communication to applicant.

SLR:dm 01/26/	/06 6682-66959-02 451396 CGL02/0396WO01 A55-522.2			
SER.dill 01/20/	00 0002-00939 02 451590 CGE0210390 WOUT ASS-5122.2	Attorney Docket Number	6682-66959-02	
		Application Number	10/533,477	
INFORM	MATION DISCLOSURE STATEMENT	Filing Date	April 29, 2005	
	BY APPLICANT	First Named Inventor	Rogers	
		Art Unit	1617	
		Examiner Name	Not yet assigned	
	Sigma, Biochemicals and Reagents,	p. 461 (2000).		
	Stagg et al., "The Characterization of Aspergillus Niger," 320:64-72 (1)		can from the Cell Walls	
	Stainer et al., "The Microbial World		2-336 (1970).	
	Tan et al., "The Degree of Deacetyle UV-Spectrophotometry Method of I		E 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
	Wessels et al., "15 Fungal Cell Wal Carbohydrates, pp. 352-394 (1981).		ydrates II, Extracellular	
	Wu et al., "Determination of Molecular-Weight Distribution of Chitosan by High-Performance Liquid Chromatography," J. Chromatogr. 128:87-99 (1976).			
	Xianchang Gong, Heavy Metal Contaminates in the Glucosamine Product (a paper regarding a crab shell glucosamine product) (date unknown).			
	Yang et al., "Acidic hydrolysis and determination of fungal mycelium in cereals," Chinese Journal Abstract, Chinese Agricultural Chimical Society (1998) 36(6), 555-564.			
	Yen et al., "Antioxidant and Prooxidant Activity of Xylose-Lysine Maillard Reaction Products," <u>The Maillard Reaction in Foods and Medicine</u> , Ed. J. O'Brien et al., pp. 231-236 (1998).			
	Yen et al., "Antioxidative Activity and Scavenging Effects on Active Oxygen of Xylose- Lysine Maillard Reaction Products," J. Sci. Food Agric. 67:415-420 (1995).			

DATE CONSIDERED:

^{*} Examiner: Initial if reference considered, whether or not in conformance with MPEP 609. Draw line through cite if not in conformance and not considered. Include copy of this form with next communication to applicant.